



AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A micro-lens for use in an imager, comprising:

a substrate having ~~a recessed area; and~~ an opening recessed from an upper surface of the substrate; and

lens material located within the ~~opening-recessed area~~ of the substrate, said opening serving ~~which serves~~ as a mold for the lens material.
2. (Currently Amended) The micro-lens of claim 1, wherein the ~~opening-recessed area~~ has at least one arcuate portion.
3. (Currently Amended) The micro-lens of claim 1, wherein the ~~opening-recessed area~~ is shaped such that said lens material corrects for optical aberrations.
4. (Original) The micro-lens of claim 1, wherein the substrate comprises silicon dioxide.
5. (Currently Amended) The micro-lens of claim 4, wherein said substrate is positioned over a pixel cell and the opening is shaped such that said lens material is formed ~~recessed area is configured~~ to account for color dependent photon absorption differences of a photosensor of said pixel cell.

6. (Original) The micro-lens of claim 1, wherein the lens material exhibits a refractive index greater than that of the substrate.

7. (Original) The micro-lens of claim 1, wherein the lens material exhibits a refractive index less than the substrate.

8. (Currently Amended) A micro-lens, comprising:
a substrate having an opening recessed from an upper surface of the substrate ~~a recessed area~~, said substrate being formed of silicon dioxide; and
lens material located within the opening ~~recessed area~~ of the substrate ~~which serves as a mold for the lens material~~, wherein the opening ~~recessed area~~ is shaped such that said lens material corrects for optical aberrations.

9. (Currently Amended) The micro-lens of claim 8, wherein the opening ~~recessed area~~ is ~~configured~~ structured such that a focal point of the micro-lens is associated with a color of light to account for color dependent photon absorption differences in the silicon dioxide.

10. (Original) The micro-lens of claim 8, wherein the lens material exhibits a refractive index greater than that of the substrate.

11. (Original) The micro-lens of claim 8, wherein the lens material exhibits a refractive index less than that of the substrate.

Application No. 10/721,165
Reply to Office Action of June 19, 2006

Docket No.: M4065.0948/P948

Claims 12-48. (Canceled).